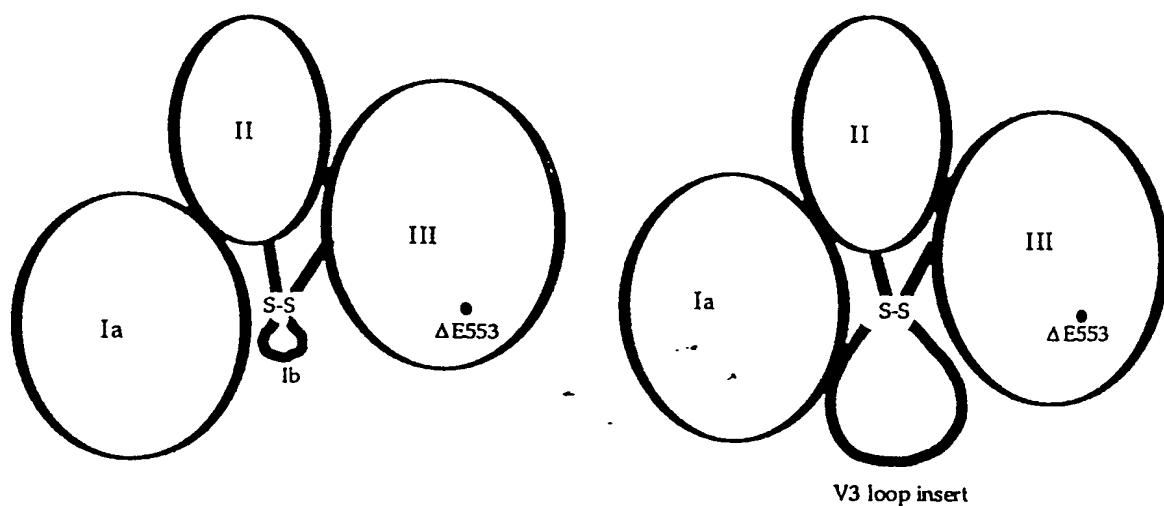


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1 A Pseudomonas exotoxin

1 B V3-loop toxin chimera

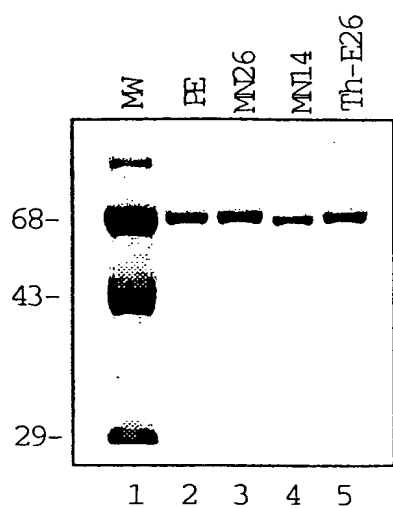


1 C

Protein	Ib Loop Region Amino Acid Sequence	Molecular Mass
wild-type PE	-GAANADVSLTCPVAAGECAGPAD-	67,122 Da
ntPE-V3MN14	-GAANLHCGIHIGPGRAFYTTKCMQGPAD-	67,729 Da
ntPE-V3MN26	-GAANLHCNYNKRKRIHIGPGRAFYT TKNIIGTICMQGPAD-	68,937 Da
ntPE-V3ThE26	-GAANLHCSNNTRTSITIGPGQVFYRT GDIIGDDICMQGPAD-	68,700 Da
ntPE-FP16	-GAANLQCRLEEKKGNYVVTDHRLCLQGPAD-	67,862 Da

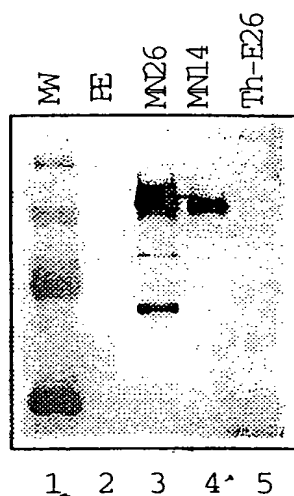
Figure 1.

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SDS-PAGE

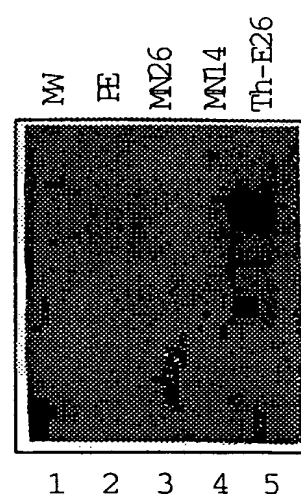
**FIG. 2A.**



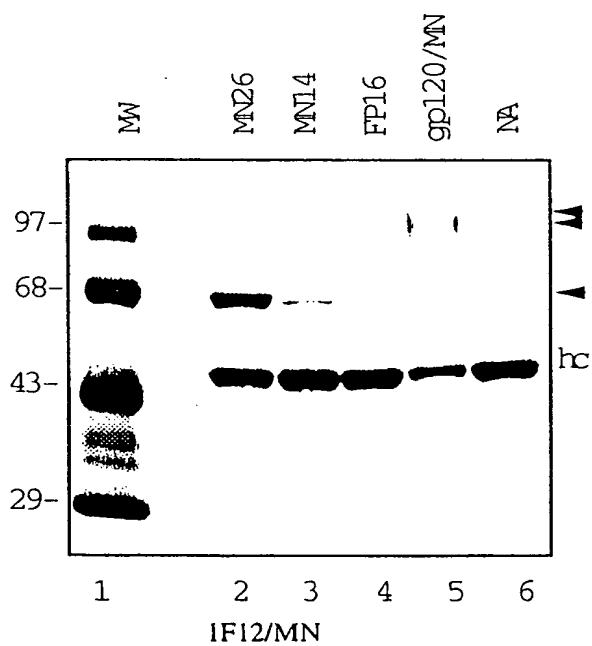
IF12/MN

Western blot Analysis

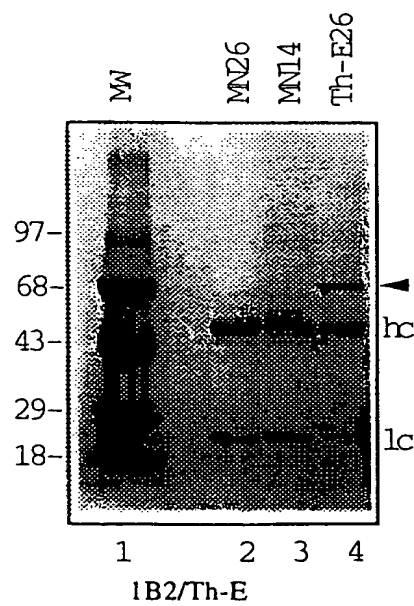
**FIG. 2B.**



IB2/Th-E



IF12/MN



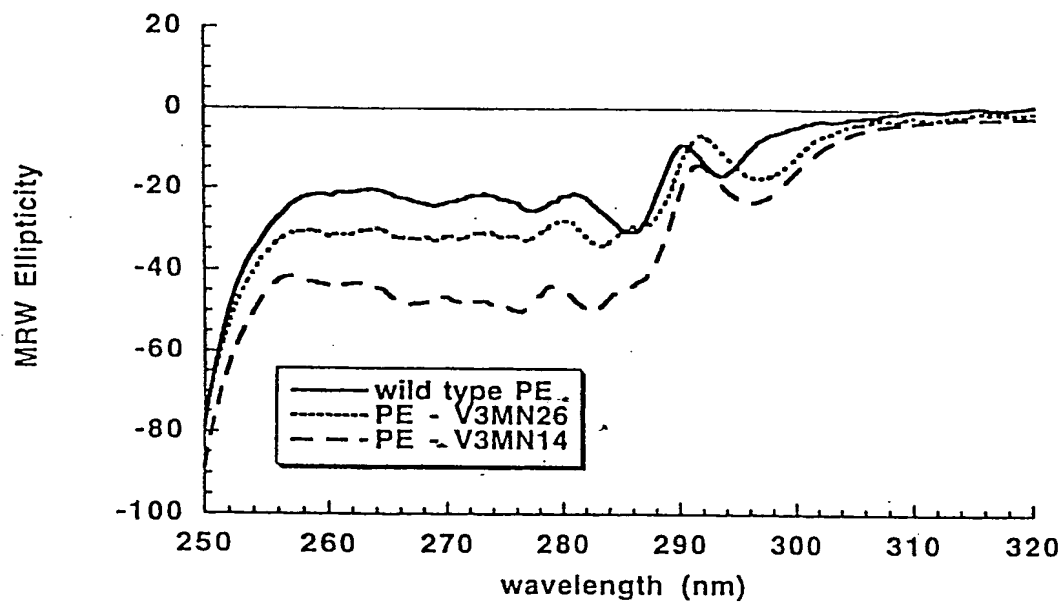
IB2/Th-E

Antibody-mediated capture of proteins

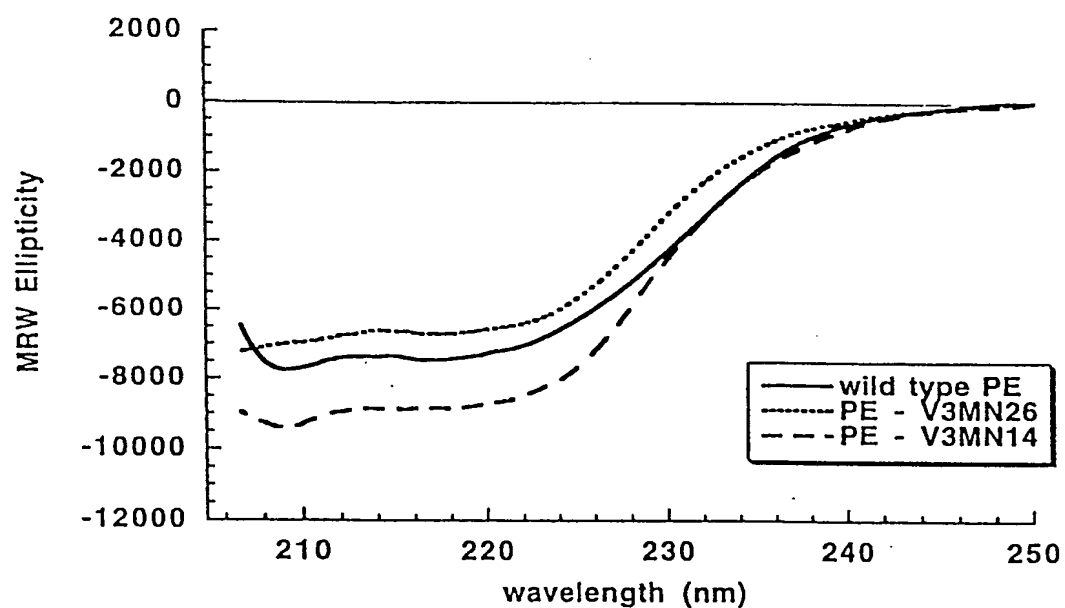
**FIG. 2C.**

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3A



3B



3C

Sample	% $\alpha$ -helix*	% $\beta$ -sheet	% $\beta$ -turns	% other
wild-type PE	21	48	12	20
ntPE-V3MN14	26	46	10	19
ntPE-V3MN26	18	50	12	20

Figure 3.

SUBSTITUTE SHEET (RULE 26A)

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## Cytotoxic activity for A431 Cells

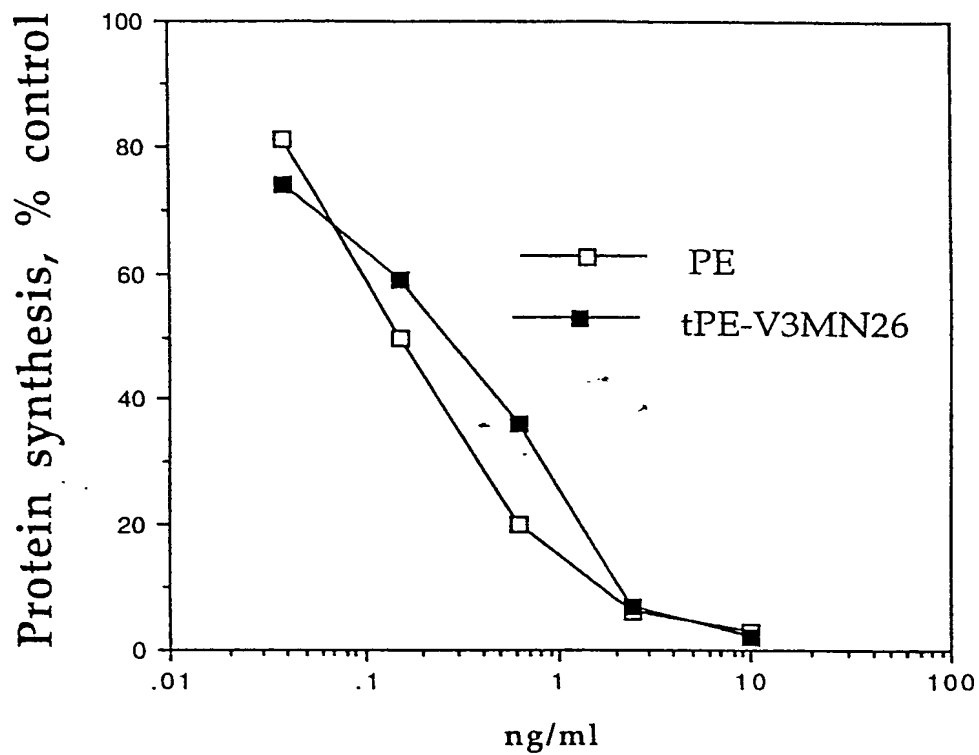
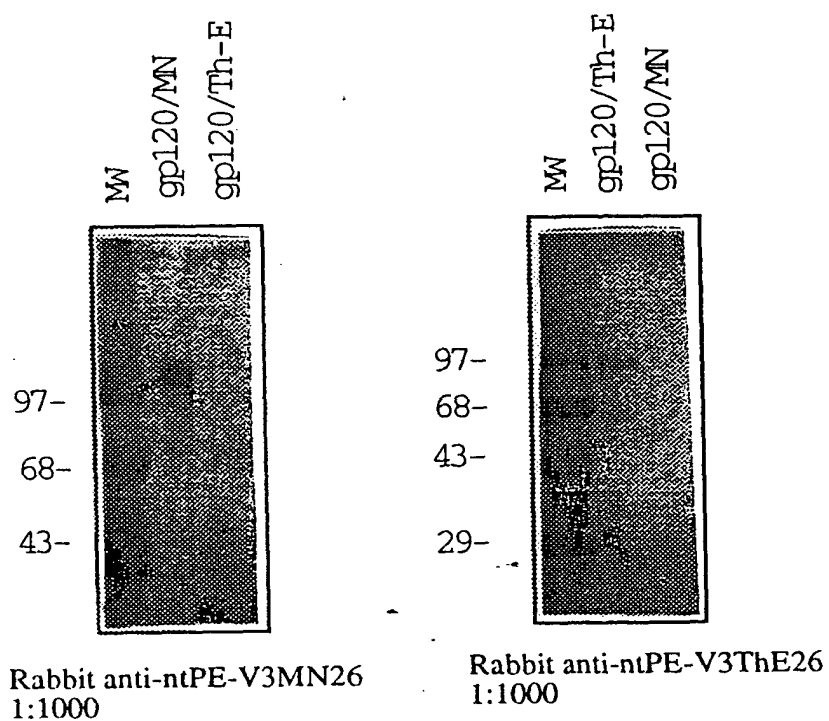
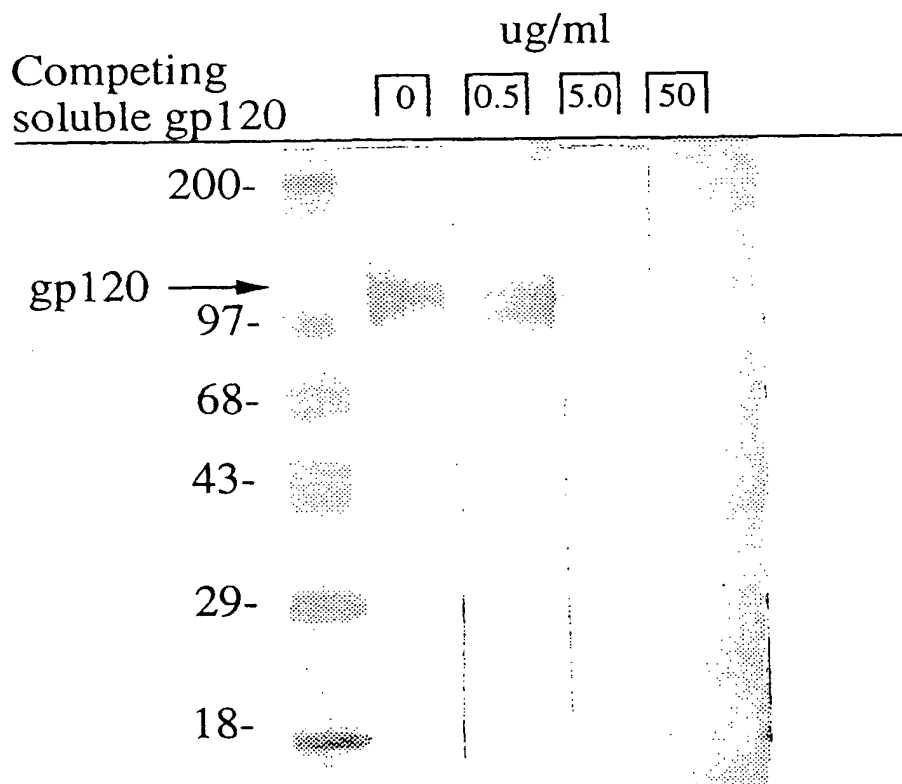


Figure 4.

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**FIG. 5A.****FIG. 5B.**

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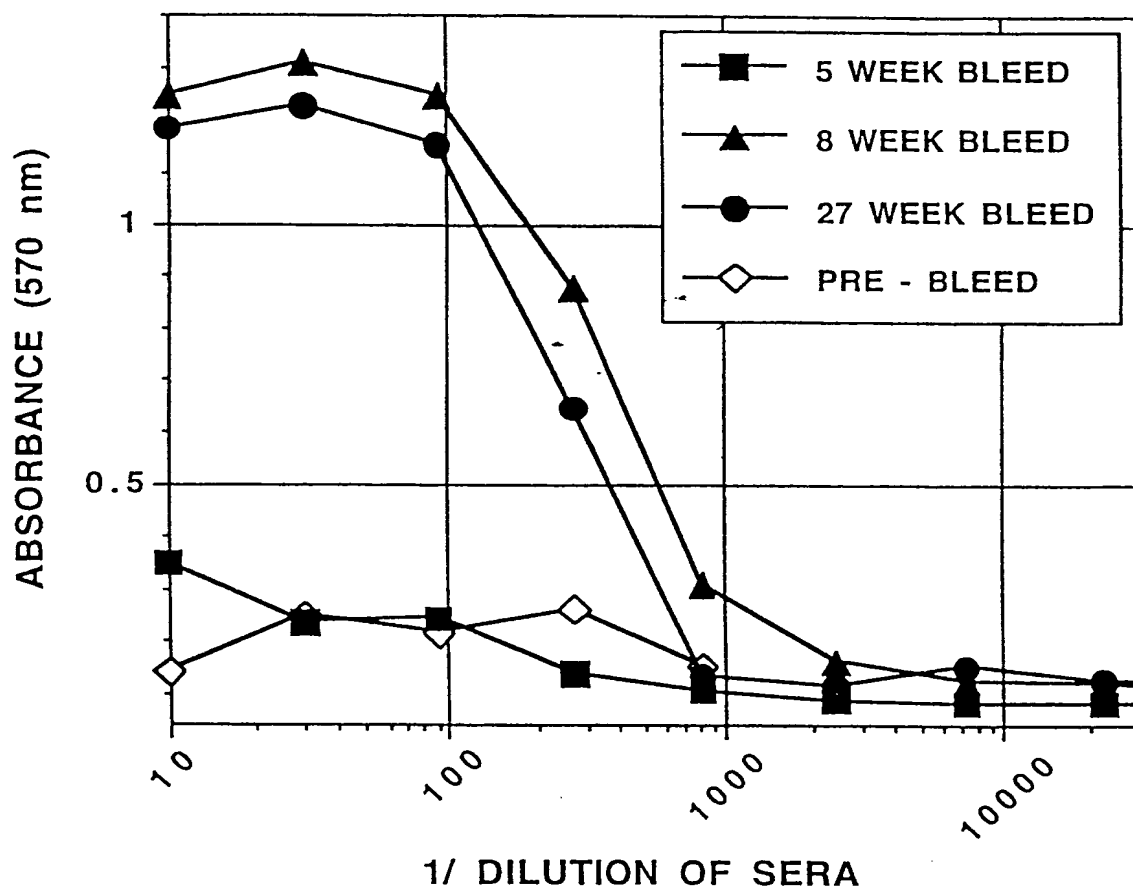


Figure 6.

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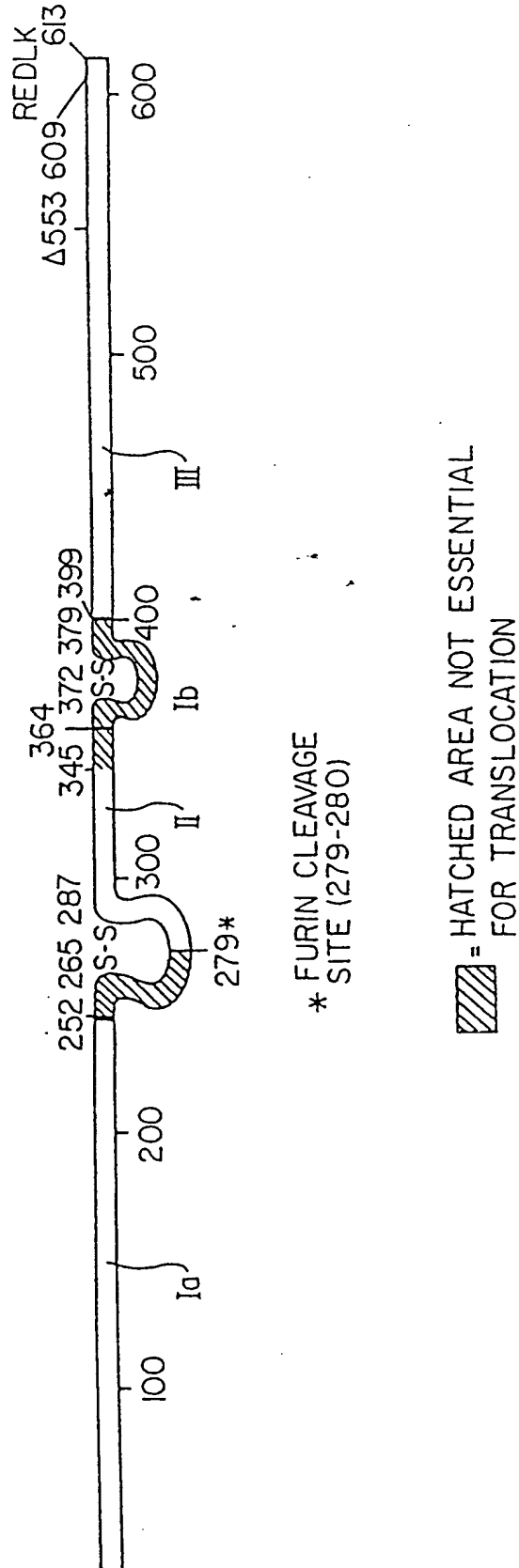


Figure 7.

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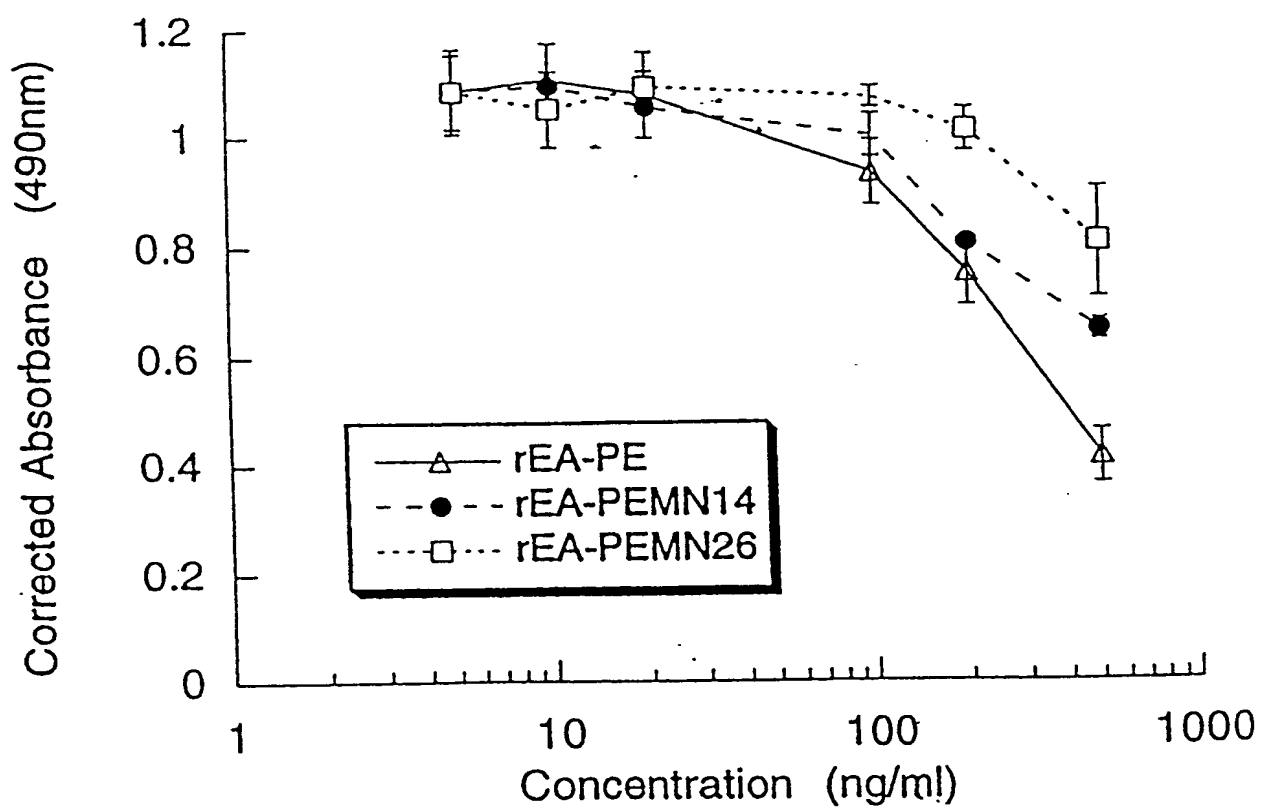


Figure 8.



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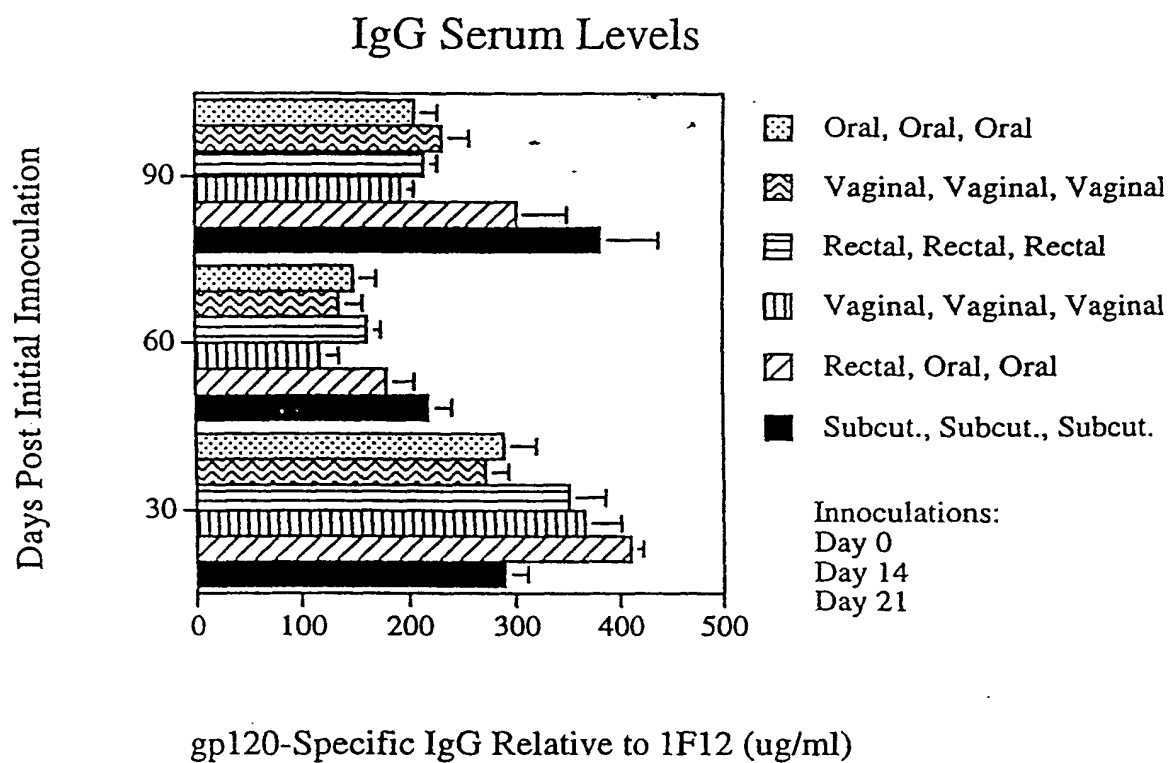


Figure 9.

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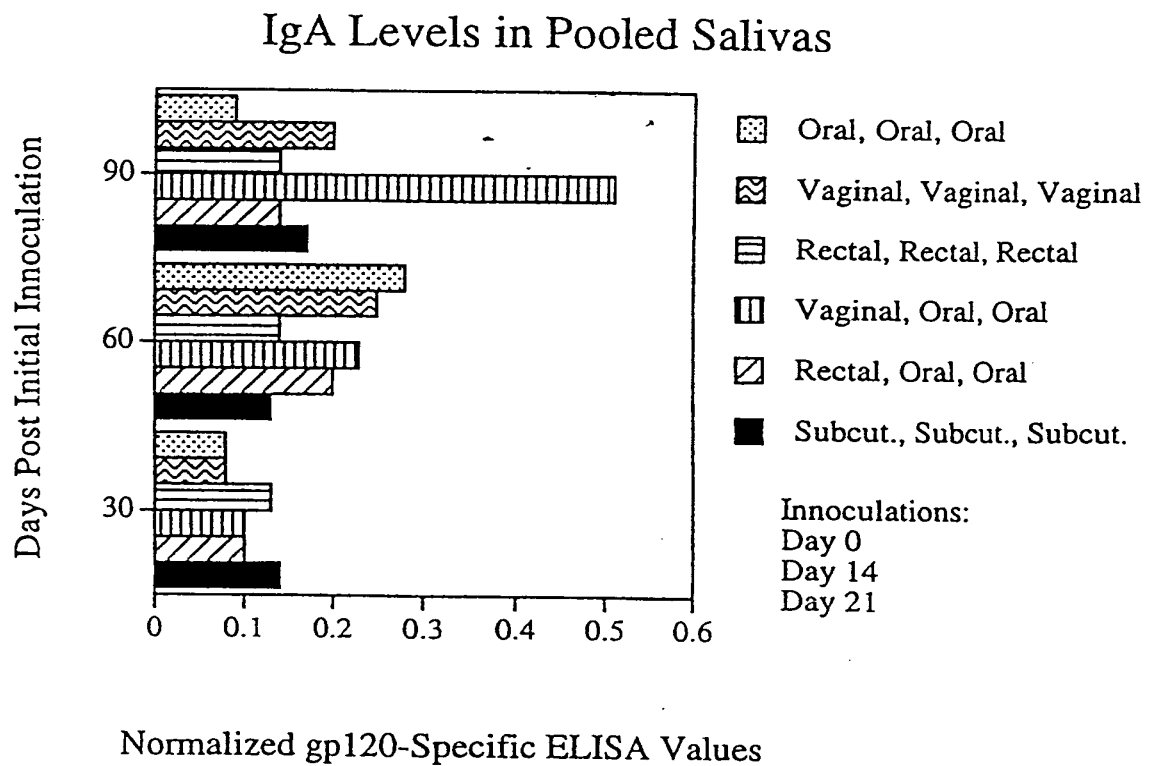
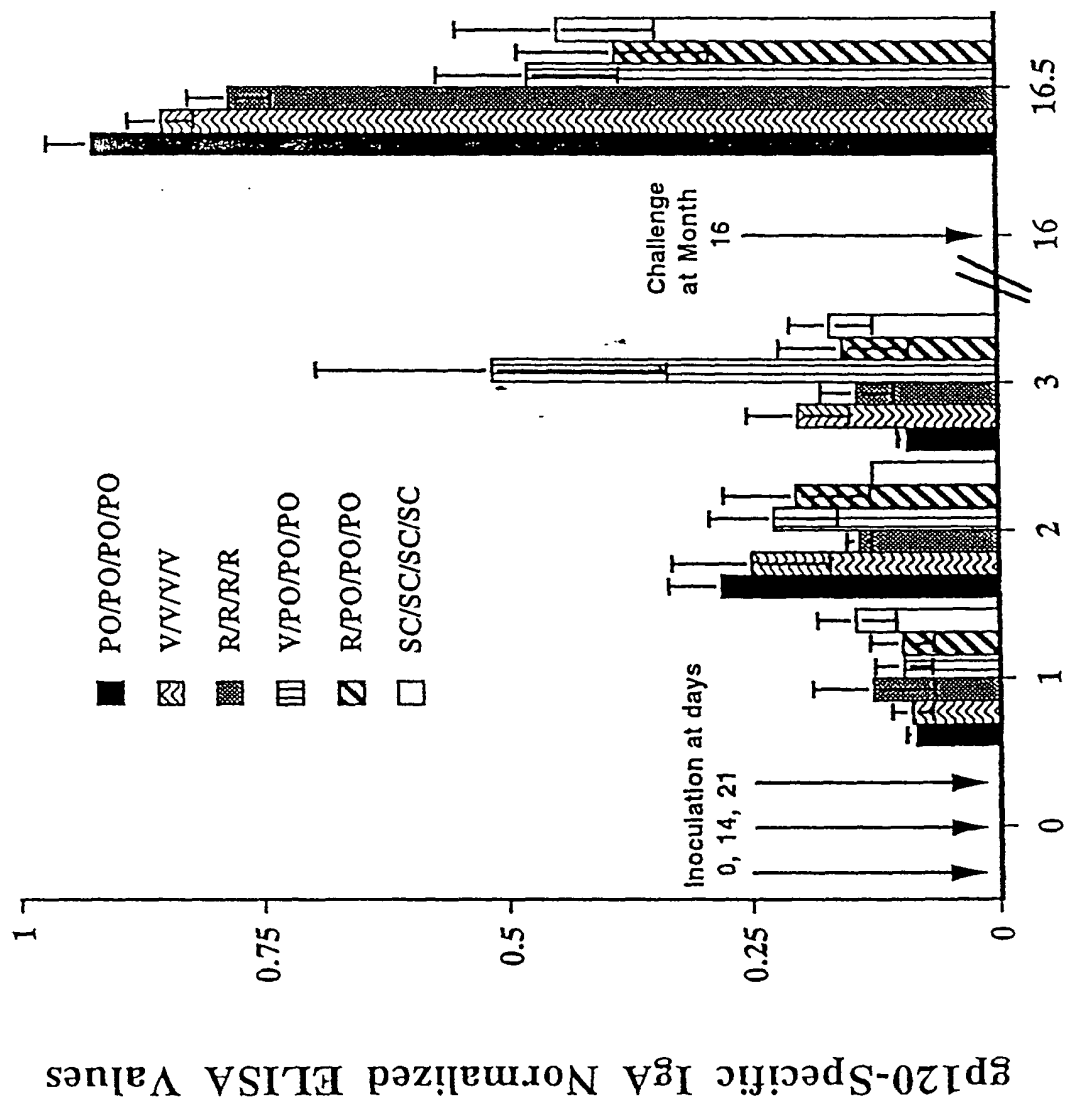


Figure 10.

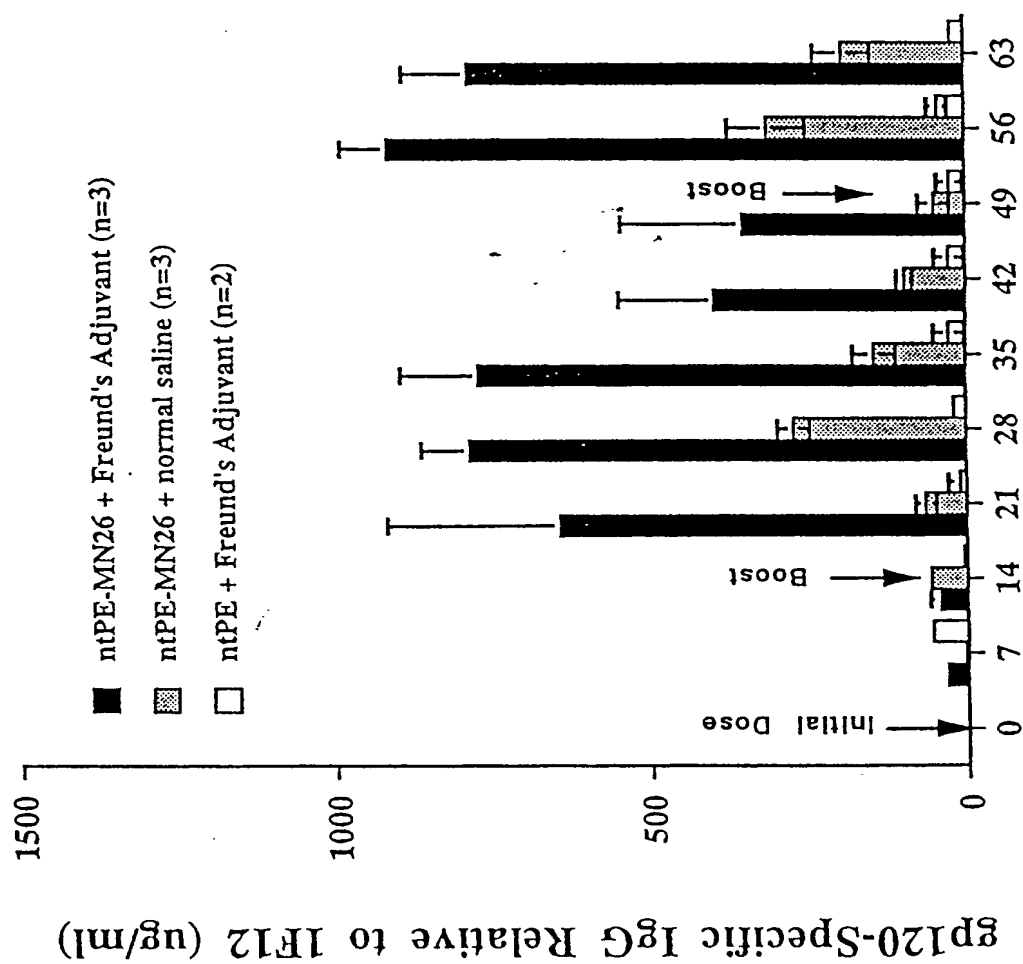
## Salivary IgA Response Induced by ntPE-MN26



Months Post Initial Inoculation

Figure 11.

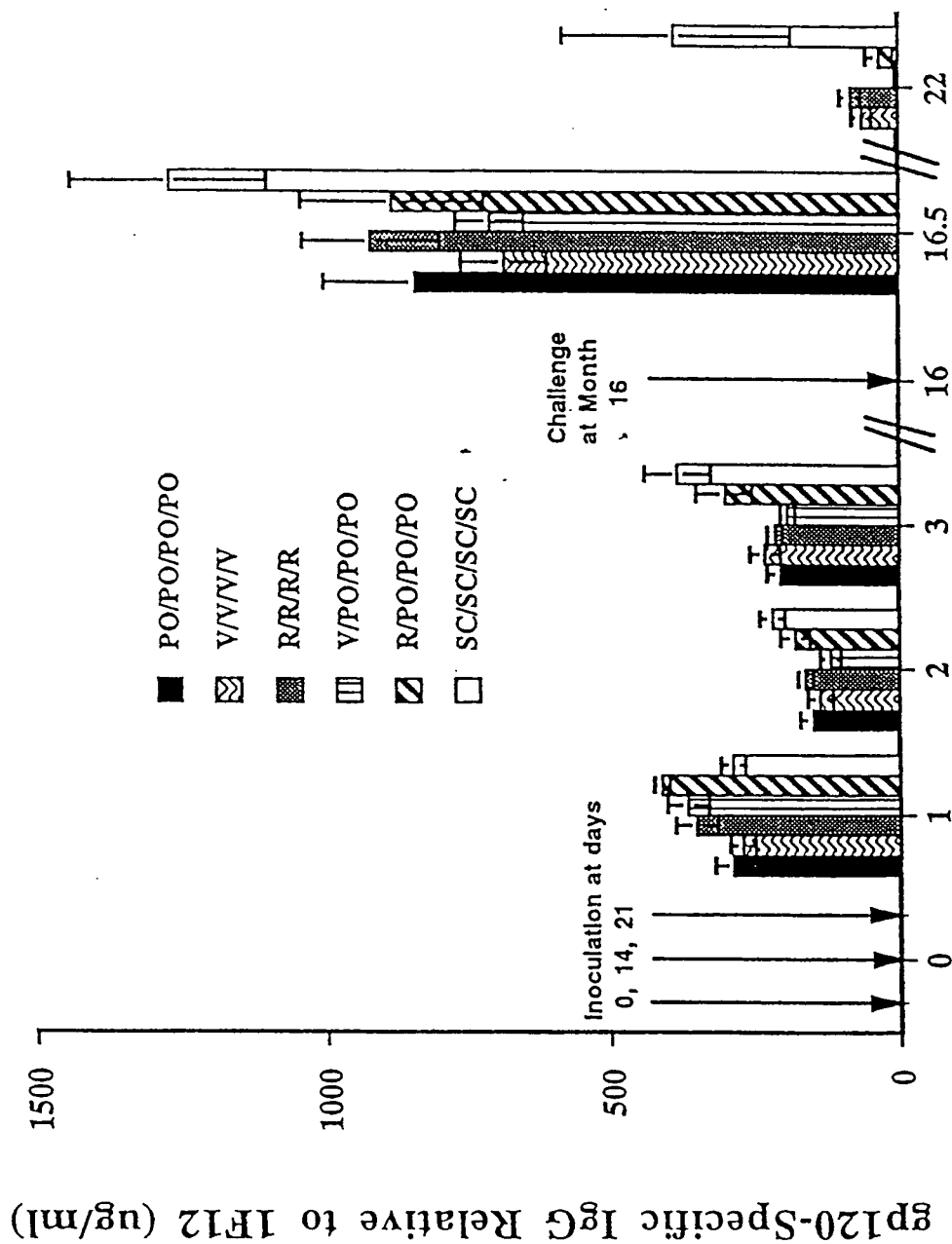
# Serum IgG Response to Subcutaneous Injection of ntPE-MN26



Days Post Initial Inoculation

Figure 12.

# Serum IgG Response Induced by ntPE-MN26



Months Post Initial Inoculation

Figure 13.

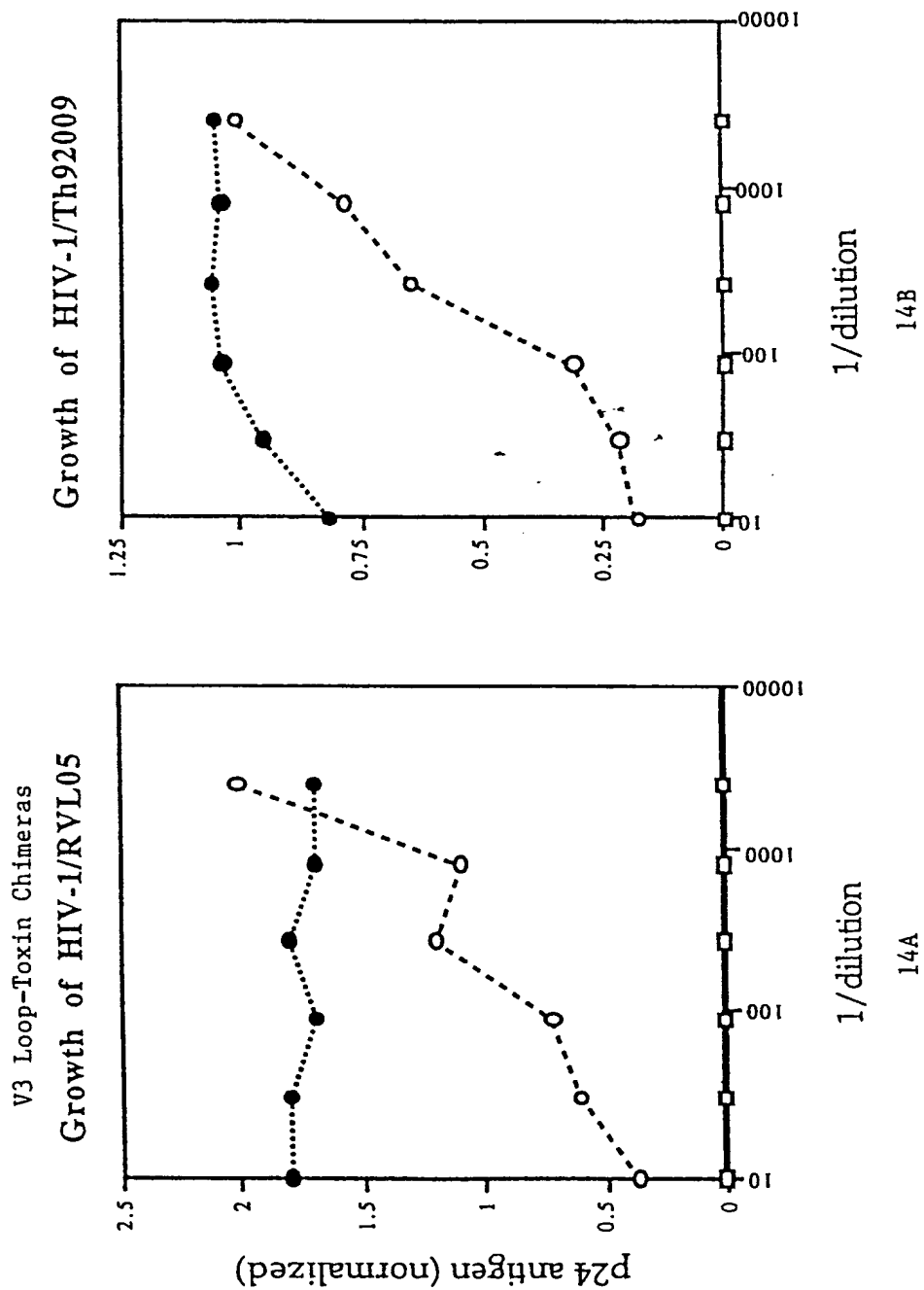


Figure 14.